

## Product datasheet for **RG238465**

### IFIT1 (NM\_001270927) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	IFIT1 (NM_001270927) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	IFIT1
Synonyms:	C56; G10P1; IFI-56; IFI-56K; IFI56; IFIT-1; IFNAI1; ISG56; P56; RNM561
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG238465 representing NM_001270927. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTGTACAAATGGTGATGATCATCAGGTCAAGGATAGTCTGGAGCAATTGAGATGTCACCTTTACATGG
GAGTTATCCATTGATGACGATGAAATGCCTGATTTAGAAAACAGAGTCTTGGATCAGATTGAATTCCTA
GACACCAAATACAGTGTGGGAATACACAACCTACTAGCCTATGTGAAACACCTGAAAGGCCAGAATGAG
GAAGCCCTGAAGAGCTTAAAAGAAGCTGAAAACCTAATGCAGGAAGAACATGACAACCAAGCAAATGTG
AGGAGTCTGGTGACCTGGGGCACTTTGCCTGGATGTATTACCACATGGGCAGACTGGCAGAAGCCAG
ACTTACCTGGACAAGGTGGAGAACATTTGCAAGAAGCTTCAAATCCCTCCGCTATAGAATGGAGTGT
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GCCTGCTTTGAAAAGGTGCTTGAAGTGGACCCTGAAAACCTGAATCCAGCGCTGGGTATGCGATCTCT
GCCTATCGCCTGGATGGCTTTAAATTAGCCACAAAAATCACAAGCCATTTTCTTTGCTTCCCCTAAGG
CAGGCTGTCCGCTTAAATCCAGACAATGGATATATTAAGGTTCTCCTTGCCTGAAGCTTCAGGATGAA
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GCCTTGCAGGAAACACCCACTTCTGTCTACTGCATCACCAGATAGGGCTTTGCTACAAGGCACAAATG
ATCCAAATCAAGGAGGCTACAAAAGGGCAGCCTAGAGGGCAGAACAGAGAAAAGCTAGACAAAATGATA
AGATCAGCCATATTTTCAATTTGAACTGTCAGTGGAAAAAAGCCACATTTGAGGTGGCTCATCTAGAC
CTGGCAAGAATGTATATAGAAGCAGGCAATCACAGAAAAGCTGAAGAGAATTTTCAAAAATTGTTATGC
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AAGAAATCTGACGTCAATGCAATTATCCATTATTTAAAAGCTATAAAAATAGAACAGGCATCATTAACA
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GAAAGCTTGAGCCTCCTTGGTTCTGCTACAAATTTGGAAGGAAATATGAATGAAGCCCTGGAGTACTG
GAGCGGGCCCTGAGACTGGCTGCTGACTTTGAGAACTCTGTGAGACAAGGTCCT
ACGCGTACGCGCCGCTCGAG - GFP Tag - GTTTAAAC
```



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**Protein Sequence:** >Peptide sequence encoded by RG238465  
 Blue=ORF Red=Cloning site Green=Tag(s)

MCTNGDDHQVKSLEQLRCHFTWELSIDDEMPDLENRVLDQIEFLDTKYSVGIHNLAYVKHLKGQNE  
 EALKSLKEAENLMQEEHDNQNVRSLVTWGNFAWYYHMGRLAEAQTYLDKVENICKKLSNPFYRMEC  
 PEIDCEEWALLKCGGKNYERAKACFEKVLVDPENPESSAGYAI SAYRLDGFKLATKNHKPFSLLPLR  
 QAVRLNPDNGYIKVLLALKLQDEGQEAEGEKYIEEALANMSSQTYVFRYAAKFYRRKGSVDKALELLKK  
 ALQETPTSVLLHHQIGLCYKAQMIQIKEATKGGPRGQNRKLDKMIRSAIFHFESAVEKKPTFEVAHLD  
 LARMYIEAGNHRKAEENFQKLLCMKPVVEETMQDIHFHYGRFQEFQKSDVNAIHYLKAIKIEQASLT  
 RDKSINSLKKLVLRLRRLKALDLESLSLLGFVYKLEGNMNEALEYERALRLAADFENSVRQGP  
**TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV**  
 MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001270927

**ORF Size:** 1434 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

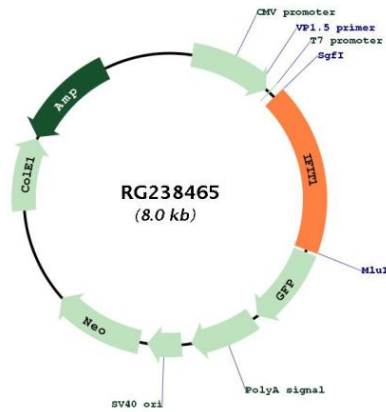
**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**RefSeq:** [NM\\_001270927.2](#)

RefSeq Size: 4493 bp  
 RefSeq ORF: 1437 bp  
 Locus ID: 3434  
 Cytogenetics: 10q23.31  
 MW: 55.8 kDa

**Gene Summary:** This gene encodes a protein containing tetratricopeptide repeats that was originally identified as induced upon treatment with interferon. The encoded protein may inhibit viral replication and translational initiation. This gene is located in a cluster on chromosome 10 with five other closely related genes. There is a pseudogene for this gene on chromosome 13. Alternatively spliced transcript variants encoding multiple isoforms have been observed. [provided by RefSeq, Aug 2012]

**Product images:**



Circular map for RG238465